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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/745,435	12/26/2000	Hiroyuki Sekitani	001499	1560

7590

12/19/2002

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EXAMINER

MAHMOUDI, HASSAN

ART UNIT

PAPER NUMBER

2175

DATE MAILED: 12/19/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/745,435

Applicant(s)

SEKITANI, HIROYUKI

Examiner

Tony Mahmoudi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.

- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.

- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

DOV POPOVICI  
SUPERVISORY PATENT EXAMINER  
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## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshioka et al (U.S. patent No. 5,909,688) in view of Nguyen (U.S. patent No. 6,202,070.)

As to claim 1, Yoshioka et al teaches an information management system for manufacturing machines (see Abstract) comprising:

a database (see figure 2) that manages input and output in addition to memory of individual machine information (see column 6, line 59 through column 7, line 6), which is a body of information concerning each machine (see column 9, lines 29-37);

an information processing means for each of the company departments (see column 13, line 66 through column 17, line 2); and

an access means (see column 2, lines 56-67) that is installed in each of the information processing means which is capable of performing addition and updating of the individual machine information (see column 21, lines 14-22.)

Yoshioka et al does not teach: each manufacturing machine as products of a company; the individual machine information including parts books, drawings and documents that cover designing, procurement and production, as well as wishes of customers obtained before designing in addition to maintenance information.

Nguyen et al teaches a computer manufacturing system architecture with enhanced software distribution functions (see Abstract), in which he teaches: each manufacturing machine as products of a company (see column 24, lines 51-62, where “building of machines to the specification of individual customers” indicate that each machine is a product of the company”); the individual machine information including parts books (see column 47, lines 4-21, where “parts books” is read on “listing of all the part numbers”), drawings and documents that cover designing, procurement and production (see column 8, lines 51-67), as well as wishes of customers obtained before designing in addition to maintenance information (see column 24, lines 51-58.)

Therefore, it would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Yoshioka et al to include each manufacturing machine as products of a company; the individual machine information including parts books, drawings and documents that cover designing, procurement and production, as well as wishes of customers obtained before designing in addition to maintenance information.

It would have been obvious to a person having ordinary skill in the art at the time the invention was made to have modified Yoshioka et al by the teachings of Nguyen et al, because each manufacturing machine as products of a company; the individual machine information including parts books, drawings and documents that cover designing,

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procurement and production, as well as wishes of customers obtained before designing in addition to maintenance information, would enable the system to provide the users with all the necessary information they would need to install, update and utilize the desired components on their production machine.

As to claim 2, Yoshioka et al as modified teaches wherein the database is connected to the information processing means (see Yoshioka et al, figure 2) of the departments (see Yoshioka et al, figure 4A) and the customers via a network (see Yoshioka et al, column 12, lines 32-38, where “terminal 21” represents a “customer”), information processing means of the customers having an access means that is capable of performing addition and updating the individual machine information of the database (see Yoshioka et al, column 3, lines 1-7.)

As to claim 3, Yoshioka et al as modified teaches wherein the company departments include a sales department, a technical department, a procurement department, a production department, and a maintenance service department (see Nguyen et al, column 11, lines 6-13, where “distribution” and “cross-departmental coordination” are taught. It is inherent that larger companies consist of various departments including Sales, Technical, Procurement, Production, and Maintenance Service departments”), with the database having an access limiting function that limits addition and updating of information in the individual machine information depending on the departments and the customers (see Nguyen et al, column 9, lines 19-25.)

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*Conclusion*

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following patents are cited to further show the state of art with respect to methods and systems of data storage and distributions in the manufacturing and production environments in general:


U.S. Patent No. 5,778,386 to Lin et al.

4. Any inquiries concerning this communication or earlier communications from the examiner should be directed to Tony Mahmoudi whose telephone number is (703) 305-4887. The examiner can normally be reached on Mondays-Fridays from 08:00 am to 04:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici, can be reached at (703) 305-3830.

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December 11, 2002

  
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